

ABSTRACT OF THE DISCLOSURE

An integrated control system includes subsystem with a driving system control subsystem controlling a driving system, a brake system control subsystem controlling a brake system, and a steering system control subsystem controlling a steering system, a subsystem stabilizing a current dynamic state of the vehicle, a subsystem realizing a driving support function such as automatic cruising, and a storage unit for storing shared signals. Each subsystem includes a request unit, an arbitration unit, and an output unit.